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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/450,969

TH5
OIPE

DATE: 12/13/1999
TIME: 17:56:46

10300
1-12-00

Input Set: I450969.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

1 <110> APPLICANT: Lynn Doucette-Stamm et al.
2 <120> TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYL
3 EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
4 <130> FILE REFERENCE: PATH99-09A
5 <140> CURRENT APPLICATION NUMBER: US/09/450,969
6 <141> CURRENT FILING DATE: 1999-11-29
7 <160> NUMBER OF SEQ ID NOS: 7544
8 <210> SEQ ID NO 1
9 <211> LENGTH: 135
10 <212> TYPE: DNA
11 <213> ORGANISM: S.epidermidis
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14 caatcacaag cttcacactc tatcgaaaaa gottctgttg ctagggagag gtttaaatcg 120
15 gccatttgtg cataa 135
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17 <211> LENGTH: 510
18 <212> TYPE: DNA
19 <213> ORGANISM: S.epidermidis
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22 agtgatattt tgaaaaacttt taaggcagta agatttcaaa ttgtaatgtt acatgggtca 120
23 atatcagaat acgtcattga agatgggtgtt attataaata aagaaggaag tggcaactgg 180
24 tggttactag aaatagtaat ttcaaatgaa cactatgaaa catttaagca atataaggat 240
25 aacaaacaac ttttagatat tagatgttc atccacaagac ctgctaacga tccagcgtt 300
26 tttaatgcaa cagttaaaag cgttaaaaat tttaaatatt caatgtcagt cgtttttagaa 360
27 tgcacatct acactttgag acaagaatac gctgagagtt tattagaaga attagttgt 420
28 gaaggactta caggtgaaaaa gttgaaaaaa acatttaatc gtatgtgca atcaaaacct 480
29 aagttgaaag atgagaaaaat cgaaagataa 510
30 <210> SEQ ID NO 3
31 <211> LENGTH: 135
32 <212> TYPE: DNA
33 <213> ORGANISM: S.epidermidis
34 <400> SEQUENCE: 3
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36 actgctaata tgagagcgac aaatcttaat ccccatttac tttcaagcat ttatgaattc 120
37 acacctttct tttga 135
38 <210> SEQ ID NO 4
39 <211> LENGTH: 693
40 <212> TYPE: DNA
41 <213> ORGANISM: S.epidermidis
42 <400> SEQUENCE: 4
43 gaaaacaaat cacttttagg aggattttta ataatgaaaaa aaacatttagt tgcatcatca 60
44 ttagctatag gactaggcgt tgttagcaggt aacgcaggc aatgacgcaca tgcaagttag 120

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45  actacaaaatg ttgataaaagc agagtttagct caaaaagcgt taactaatga tcaatcacta 180
46  aatgaaagcc ctgttcaaga aggtgcttat aatattaatt ttgattacaa tggtaattca 240
47  tatcatttt aatctgtatgg ttctacttgg agttggagtt atgaatcaac aaacaatgct 300
48  acgcaacctg ttcaaccaag ccaatctcaa gtagctacac aacaacaacc tggataacta 360
49  tcagcaccac aaaatgagca aacagcacaa ccacaaacaa aatcaacatc tacaagtcaa 420
50  acttcttcaa gtaaagcttc aagtggttca tcagtaaatg taaattcaca tttacaacaa 480
51  attgctcaac gtgaatcagg tggcgatatt catgcaataaa acccatcttc aggtgcagca 540
52  gttaaatatac aattcttaca atcaacttgg gattctgttgc tcccaagtca atataaaggt 600
53  gtttcacctg caaaaagctcc agaaagcgtaa caagaccgag cagcagtaaa attatataat 660
54  actggtgcc caggtcattt ggttaactgca taa 693

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57 <212> TYPE: DNA
58 <213> ORGANISM: S.epidermidis
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61  tttaaaattaa aatgttaagtt attaaaaatt aatgacctaa ataagattgt aacatccat 120
62  tatgcttatac aactgaagtt tgcatgccga taa 153

63 <210> SEQ ID NO 6
64 <211> LENGTH: 126
65 <212> TYPE: DNA
66 <213> ORGANISM: S.epidermidis
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70  atttaa 126

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72 <211> LENGTH: 426
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77  attttgaac ctgtaggacc agaacctgtt aatgacatca ttcttactttt tggatgttca 120
78  cttaaaggat ttcttactcc agatccatca ccattgacta agttaaacac accttttaggt 180
79  acgcctactt tatcaaaaat ttctgtcaaa ataattgcag caaatgggtt ttcttcagat 240
80  ggttttaaaa caacaggcgtt accagcagca aacgcagcgtt ctaatttaag tgaagtttgg 300
81  ttgttaggaa aattccaaagg tgtaacaagt ccagcaactc caattgcttc ttaacaacc 360
82  aaatcatcgc cacgttggc ttcaatttgg aagctatcta aagcatctt tgcagctgt 420
83  aaatgt 426

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85 <211> LENGTH: 300
86 <212> TYPE: DNA
87 <213> ORGANISM: S.epidermidis
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90  atccctgttaca agctgtgccc aatttcaata tcaggctaca gtaaagctcc acgggggttt 120
91  tccgttctgtt cgcgggttac ctgcatttcc acaggacta tgatttacc gaggctctcg 180
92  ttgagacagt gcccaaattcg ttacgcctt cgtgcgggtt ggaacttacc cgacaaggaa 240
93  ttccgttacc tttaggaccgt tatagttacg gccggccgtt actggggctt cgattcgttag 300
94 <210> SEQ ID NO 9

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149 ctagtaagtc aattaaatga agaacacgtt gattttacag ctgggttacg taaggaagat 120
150 caagttaaag aattagaaaa taaagggatt aaagctacat taatagatgt agaaaaaaaaat 180
151 agtattaatg atttaaaaaa tatcttaca gattatgata aagttatctt ttcagttgga 240
152 tctggtgaa gcactggagc ggataaaaaca atcattgtt atttagatgg tgctgtaaaa 300
153 acaattaaag ctagaaaga agcgggtatc aaacattatg ttatgttac aacatacgt 360
154 tctagacgtg aagcattcga tgcgagtgga gattttaaac cgtataacaat tgcaaagcat 420
155 tatgctgatg attacttaag aacatcagat ctaattata caattgtaca tccaggttca 480
156 cttacagatg atgctggAAC tggaaaaata gaagctgatt tatatttcga caaaggcagga 540
157 tcaattccac gtgaagatgt tgctacagtt tttaaaagaag tagtaacttc tggatggttt 600
158 aataatcaag aattccaaat ttaagtggc aatcatggtg ttaaagatgc attgaaaaac 660
159 tatgaatctt aa 672
160 <210> SEQ ID NO 13
161 <211> LENGTH: 243
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163 <213> ORGANISM: S.epidermidis
164 <400> SEQUENCE: 13
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166 cggggttgtt tcgtcaaggc ttttgcctat tgcggaaagat tccctactgc tgcctccgt 120
167 aggagtatgg accgtgtctc agttccagtg gggggccgatc accctctcag gtcggctacg 180
168 catcggttgc ttggtaagcc gttacottac caactagcta atgcggcgcg gatccatcta 240
169 taa 243
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177 ttaggcaatg aagaaatttt tgcatcgaga acattaattt accaattaag agcaaattcga 180
178 ttcgaaatcg aaacggatat tgcaggacat gcaacaggat ttatagcaac gtatgattct 240
179 gatatgactg gaccgggtt aggatttcta gctgaatatg atgcttacc tggcttgg 300
180 cacgcattcg ggcataatatt tattggact gctagcgtac ttgctgcagt agcactaaaa 360
181 gaagtcgtcg atgaaattgg tggtaaagta gtcgttttgg gatgtcctgc tgaagaaggt 420
182 gggggaaaatg gctccgc当地 agcttctt gttaaagcag gtgtcattga tggaaattgt 480
183 gtagcattga tgattcatcc tggaaatgaa acctatcgta caattaatac tttagctgt 540
184 gatgttcttag atattaaattt ctatggacgt agtgcgcacatctgaaaa tgcagatgaa 600
185 gcattaaacg ctttagatgc aatgatttca tattttatg gtatagcaca gttaaaggcaa 660
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191 ggttatggat ctacagatac aggtaatgtt agtcatgtt taccaactat acatccacat 1020
192 attaaaattt gttctcgaaa tcttgttagga cataccacc gcttagaga agcggctgca 1080
193 agtttacaag gtgatcgaggc actcattcga ggtgcaaaaa ttttagcatt aatggacta 1140
194 gaattaaatcg aaaataaaacc gttgttagac gaaataattt aagagcatac gcatataaaag 1200

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.



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| | | |
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| 202 | gaagggtcctg atgcagcggc attcaatgac gaaggatcac acacttaaa gcatacttta | 120 |
| 203 | gaaggattta agcaaaaagtt accacatcta gaacaacttg gattaggaaa tattgcacccg | 180 |
| 204 | cttcctgttg tttcaaaaagt tacacatcca ggtgcatttt ataccaaact aagtgaagct | 240 |
| 205 | tcagtaggtt aggatacaat gactggacat tggaaaattt tggggtaaaa tataatgcaa | 300 |
| 206 | ccatTTAagg tttatccaa tggtttccca gaagagcttg ttaaagagat tgaagatatg | 360 |
| 207 | actggacgaa aggtttagc aaatagacct gcttcaggaa ctcagattat tgacgagtgg | 420 |
| 208 | ggcgaacatc aaatgaaaac tggagattt atagttata ctatgtctga tccagtctta | 480 |
| 209 | caaattgctg cacatgaaga cgtgattcca cttgaagaac tttacagat ttgtaaaaaa | 540 |
| 210 | gttcgtgaac taacaaaaga tcctaaatat ttaataggga gaatcattgc tcgaccat | 600 |
| 211 | gttgggtgaac ctggtaactt cactagaact tctaatcgac atgattacgc gttaaaacca | 660 |
| 212 | tttggacgaa cagtgtatgaa tagcctaaa gatagtgggt atgatgtat cgcgtattgt | 720 |
| 213 | aaaattaacg atatttatga cggtaaggc gtgacacagaag ctatacgtac taaaataat | 780 |
| 214 | atggacggta tggatcaatt gattgaagtt gtaaaaaaaag attttgaagg tatcagtttc | 840 |
| 215 | cttaatttag ttgatTTGA tgcattgtat ggcacatcgatc gtgataaaga agggatgtct | 900 |
| 216 | caagcaatta aagatttga tcttcgttta cctgaattaa tgaatcattt aagagaagat | 960 |
| 217 | gatttagtta ttattacagc tgatcatggt aatgatccaa ttgctaaagg tacagatcat | 1020 |
| 218 | acacgtgaat acattccact ttaatgttt agtccgaaaaa ttaaagatTA tcatgaactt | 1080 |
| 219 | tcacaagaca cgacatTTG ctctatcggt gtacataatg cagataactt caacgtagaa | 1140 |
| 220 | ttacctaaat atggaaaag ttatTTAA gaaatggggg ttgagcatca atga | 1194 |
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| 228 | ataatagagc acaaaaatgtt agaatatgct aataagataa cattgaagg agataatatc | 180 |
| 229 | atgaaatttg ctgttatcac tgatattcat gggaaactttt atgcgttca aactgtttt | 240 |
| 230 | gatgatattt atagtagaga tgatatcgaa aaaattata accttaggtga taacatagg | 300 |
| 231 | atggacatg agacaaataa agtactggat actatattt accgggatga tatggaaatg | 360 |
| 232 | atgcaggta atcatgtatg agctattatg tcactcgatc atggAACACC ttatcctgaa | 420 |
| 233 | gattttaaag gggaaatttta tgagcatcat caatggatag aaggacattt agatgagtt | 480 |
| 234 | tattacgtg aaattatca attgcctaga tatattgaaa tgaccataaa agggaaaaag | 540 |
| 235 | attttatttta ttcatTTGA aattgaaaat gataaaatgt cagctcctat tgatgaacaa | 600 |
| 236 | ccttttgcac ctattacaaa agatgacgaa caagctattt ctgaattatt taaagacaaa | 660 |
| 237 | gaagccgatt taattttattt tgacataac cataggttgc atatgttga tgataaatca | 720 |
| 238 | acagtatatt ttaatcctgg atcagtaggt ttgacataatg gttcaacac cgtatatgtt | 780 |
| 239 | attattaccg ttaatgaaaaa aggaatttca gtacatggagag tggaaatttgc gtacaataat | 840 |
| 240 | gaagaatttt tagcaggatt tgaagaaaag caagtaccat ctagagaatt tataattaa | 900 |
| 241 | aatttcattt aa | 912 |
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| 243 | <211> LENGTH: 162 | |
| 244 | <212> TYPE: DNA | |

Input Set: I450969.RAW

Line ? Error/Warning

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 13566 W "N" or "Xaa" used: Feature required
 20384 W "N" or "Xaa" used: Feature required
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 30534 W "N" or "Xaa" used: Feature required
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 55943 W "N" or "Xaa" used: Feature required
 56894 W "N" or "Xaa" used: Feature required
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 153486 W "N" or "Xaa" used: Feature required
 163539 W "N" or "Xaa" used: Feature required
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 163760 W "N" or "Xaa" used: Feature required

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 Pro Leu Trp Ser Arg Leu Ser Lys Phe Xaa I
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 Tyr Lys Lys Ile Ile Lys Lys Ile Xaa I
 Gln Cys Leu Ile Pro Gln Phe Val Ser Pro T